

ABSTRACT

[0065] A digital wake-up signal is generated from an analog switch output by providing an interruption in a conductive ground or switch trace on a printed circuit board in which the ground trace and multiple conductive switch traces are bridged by a moveable contactor responsive to movement of an actuator. A resistor network is coupled to the switch traces to generate distinct analog voltage outputs when each switch trace is connected to the ground trace by the contactor. Interruption of the switch trace output and/or the ground trace changes the state of the output which defines a wake-up command.